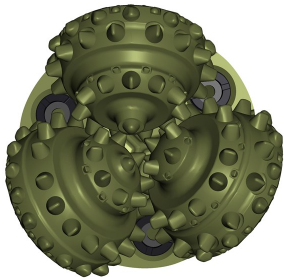


# Xplorer Gemini

## 12 1/4in GF15BV

**SMITH BITS**  
A Schlumberger Company

ID: 0058940021 IADC: 447X



Xplorer Gemini Dynamic Twin Seal System is the industry leader in durability and reliability. Offering two precisely configured seals with extraordinary material properties, Gemini bits deliver consistent performance over long run intervals.

### Specifications





|                     |  |
|---------------------|--|
| Bearing Type        | Spinodal 2 Bearing w/ Silver Plated Components |
| Seal Type           | Gemini Twin Seal System                        |
| Bit Connection Type | 6 5/8 Reg                                      |
| Rows                | Total: 12 Inner: 9 Gauge: 3                    |
| Inserts and Teeth   | Total: 122 Inner: 79 Gauge: 43                 |

### Operating Parameters

|                           |                         |
|---------------------------|-------------------------|
| Weight-on-Bit             | 25000 to 60000 (lbf)    |
|                           | 11000 to 27000 (daN)    |
|                           | 11 to 27 (Tonnes)       |
| Bit Rotary Speed          | 240 to 50               |
| Recommended Makeup Torque | 28,000 to 32,000 ft-lbf |

\*Operating parameters are typical ranges. Please contact your Smith Bits representative for recommendations for your individual well.

### FEATURES

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 Binary carbide gauge places wear resistant semi-round top carbide inserts between the primary gauge inserts to enhance gauge retention in transitional drilling. This substantially improves gauge durability and allows longer in-gauge bit runs.
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 V-Flo™ directs nozzles to the leading side of the following bit cone to maximize cleaning. The resulting upward spiral flow enhances bottom hole cleaning, prevents bit balling and allows the bit to drill at maximum ROP.
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 Spinodal 2 bearing with silver plated components ensures longer runs at higher ROP. This proprietary material offers maximum wear resistance and withstands extreme load forces for longer periods than conventional bearing materials.
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 The Gemini twin seal system consists of a primary seal which protects the bearing, and a secondary seal that protects the primary seal. This dual seal system will perform reliably for extended periods of time in high RPM, heavier WOB, high mud weight and severe dogleg applications.